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KEY=DEVELOPING - VALERIE GLOVER

GLOBAL FINANCIAL CRISIS AND ITS RAMIFICATIONS ON CAPITAL MARKETS

OPPORTUNITIES AND THREATS IN VOLATILE ECONOMIC CONDITIONS

Springer *This book assesses the 2008-2009 financial crisis and its ramifications for the global economy from a multidisciplinary perspective. Current market conditions and systemic issues pose a risk to financial stability and sustained market access for emerging market borrowers. The volatile environment in the financial system became the source of major threats and some opportunities such as takeovers, mergers and acquisitions for international business operations. This volume is divided into six sections. The first evaluates the 2008-2009 Global Financial Crisis and its impacts on Global Economic Activity, examining the financial crisis in historical context, the economic slowdown, transmission of the crisis from advanced economies to emerging markets, and spillovers. The second section evaluates global imbalances, especially financial instability and the economic outlook for selected regional economies, while the third focuses on international financial institutions and fiscal policy applications. The fourth section analyzes the capital market mechanism, price fluctuations and global trade activity, while the fifth builds on new trends and business cycles to derive effective strategies and solutions for international entrepreneurship and business. In closing, the final section explores the road to economic recovery and stability by assessing the current outlook and fiscal strategies.*

CLIMATE CHANGE 2014: MITIGATION OF CLIMATE CHANGE

Cambridge University Press *This latest Fifth Assessment Report of the IPCC will again form the standard reference for all those concerned with climate change and its consequences.*

GREEN INFRASTRUCTURE FINANCE

LEADING INITIATIVES AND RESEARCH

World Bank Publications *This report is a structured compendium of leading initiatives and activities put forward to accelerate private investment flows in green growth. It summarizes current investment challenges of green projects as well as proposed solutions, financing schemes and initiatives that have set the stage for scaling up green infrastructure investments.*

GEF COUNTRY PORTFOLIO EVALUATION

THE PHILIPPINES (1992-2007)

GEF Evaluation Office

FINANCING RESOURCE RECOVERY AND REUSE IN DEVELOPING AND EMERGING ECONOMIES

ENABLING ENVIRONMENT, FINANCING SOURCES AND COST RECOVERY

International Water Management Institute (IWMI). CGIAR Research Program on Water, Land and Ecosystems (WLE)

EUROPEAN DEVELOPMENT COOPERATION

IN BETWEEN THE LOCAL AND THE GLOBAL

Amsterdam University Press Annotation. *This title can be previewed in Google Books - <http://books.google.com/books?vid=ISBN9789089643100>. This title is available in the OAPEN Library - <http://www.oapen.org>.*

INTRODUCTION TO PROJECT FINANCE IN RENEWABLE ENERGY INFRASTRUCTURE

INCLUDING PUBLIC-PRIVATE INVESTMENTS AND NON-MATURE MARKETS

Springer Nature *What is project finance? What makes project or structured finance so relevant for large renewable energy infrastructure? Which vocabulary do I need to know in order to speak the same language during meetings with lawyers, investors, bankers and engineers? These questions and many more are answered throughout this book, offering real world examples to bridge the gap between theory and practice. The book details the role of each stakeholder in the development of renewable energy projects, the interconnection between all the agreements, the financial process from fundraising to financial close, the processes of due*

diligence, risk analysis, project investment valuation and much more. It also provides with an introduction to Portfolio Management using renewable energy assets and an explanation of the role of Climate Finance in green energy investments. The commented glossary enables readers to unpick the jargon used in project finance for renewable energy, and the numerous creative figures and comprehensive tables aid with understanding. Offering a complete picture of the discipline, *Introduction to Project Finance in Renewable Energy Infrastructure* will be of value to professionals, engineers and academics alike interested in understanding the process and components of project finance in renewable energy infrastructures, in both private and public-private contexts.

THE HUMAN RIGHTS-BASED APPROACH TO CARBON FINANCE

[Cambridge University Press](#) *Outlines a human rights-based approach to carbon finance, a framework for mainstreaming human rights into carbon project implementation.*

INFRASTRUCTURE TO 2030 (VOL.2) MAPPING POLICY FOR ELECTRICITY, WATER AND TRANSPORT

MAPPING POLICY FOR ELECTRICITY, WATER AND TRANSPORT

[OECD Publishing](#) *This book assesses the long-term future viability of current business models in electricity, water, rail, and urban public transport and presents policy recommendations.*

DE GRUYTER HANDBOOK OF SUSTAINABLE DEVELOPMENT AND FINANCE

[Walter de Gruyter GmbH & Co KG](#) *The De Gruyter Handbook of Sustainable Development and Finance explores the difficult and challenging issues confronting society and the environment, in the contexts of unprecedented climate change, bio-diversity loss and the global pandemic. In this seminal text exploring a wide range of topics, and in the devastating wake of COVID-19, scholars and practitioners analyse the effectiveness of current and proposed actions to build a sustainable future, and the public and private finance necessary to prevent an impending planetary catastrophe. The first section of the handbook introduces readers to the origins and evolution of sustainable development. An examination of public and private finance follows in the next two sections, presented from the perspectives of authors from both 'developed' and 'developing' countries. Climate change, one of the largest sectors of finance for sustainable development, is investigated in detail, as is the new and emerging development frontier, the 'blue' economy of the world's oceans. Suitable for students, policymakers and the public at large, the handbook highlights the lessons learned and points the way forward for sustainable development and finance in the wake of the global pandemic, and the challenges to come.*

SUSTAINABLE DEVELOPMENT: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS

CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS

[IGI Global](#) *To maintain a healthy ecosystem for contemporary society, and for future generations, policies must be implemented to protect the environment. This can be achieved by consistent evaluation of new initiatives and strategies. Sustainable Development: Concepts, Methodologies, Tools, and Applications is a comprehensive source of scholarly information on the latest research for sustainability concerns across a multidisciplinary perspective. Highlighting a broad range of innovative topics such as renewable energy, urban development, and green technologies, this multi-volume book is ideally designed for academics, researchers, professionals, students, and practitioners interested in the preservation of the environment.*

GUIDELINES FOR CLIMATE PROOFING INVESTMENT IN THE ENERGY SECTOR

[Asian Development Bank](#) *This publication provides a step-by-step methodological approach to help project teams assess and incorporate climate change adaptation measures into energy investment projects. While the focus of the guidelines is at the project level, an improved understanding of climate change impacts should also be used to incorporate climate change considerations into energy planning and policy at the country level.*

RESILIENCE IN ENERGY, INFRASTRUCTURE, AND NATURAL RESOURCES LAW

EXAMINING LEGAL PATHWAYS FOR SUSTAINABILITY IN TIMES OF DISRUPTION

[Oxford University Press](#) *Through a mix of thematic chapters and case studies, this book offers an analytical approach to developing legal responses which will ensure the needs of present and future generations can be met through energy systems, infrastructure development, and natural resources management in times of increasingly frequent and disruptive nature-based events.*

GLOBAL LANDSCAPE OF RENEWABLE ENERGY FINANCE 2020

[International Renewable Energy Agency \(IRENA\)](#) *Global investments in renewables must grow faster to meet climate goals. This report provides recommendations to scale up investment and mobilise capital.*

POVERTY ALLEVIATION AND ENVIRONMENTAL LAW

[Edward Elgar Publishing](#) *'The alleviation of poverty and the protection of the environment are both critical challenges for the vindication of basic human rights for all of humankind. This relationship is however not necessarily an easy one. While there is an inextricable link between poverty and the degradation of the environment, a sophisticated analysis of a problem needs to deal with those cases where the need to increase economic opportunity for poor communities may appear to conflict with fragile ecosystems or the preservation of traditional practices. This collection provides the most sustained engagement with these problems. Drawing on the expertise of a range of distinguished authors, this book presents the reader with an integrated global engagement with these problems. In doing so, it represents a landmark effort towards the creation of a coherent literature to deal with one of humankind's*

most pressing challenges.' – Dennis Davis, Judge of the High Court, South Africa 'The complex, uneven and challenging relationships between poverty alleviation and environmental regulation are impossible to trace in a single book but this collection brings a carefully selected set of policy-relevant, context-responsive, practical legal analyses to bear in a fresh examination of the present and future challenges involved. This is a timely contribution in the search for regulatory responses that alleviate rather than exacerbate the myriad forms of adaptation apartheid now so painfully evident in the relationship between poverty, injustice and environmental degradation.' – Anna Grear, University of Waikato, New Zealand 'The subject of poverty cannot be ignored by environmentalists as the poor are the most affected by the diverse impacts of environmental degradation and climate change such as on water, natural resources and cultural heritage sites. In addition, slum dwellings exacerbate the plight of the poor. The book is a collection of diverse topics by renowned environmental legal experts which deal with the relationship between the alleviation of poverty and the protection of the environment. Each writer addresses the challenges raised in various issues and recommends solutions which range from linking with human rights, the need for public participation, the role of environmental courts and other mechanisms.' – Koh Kheng-Lian, National University of Singapore This timely book explores the complex relationship between the alleviation of poverty and the protection of the environment. There is every reason to believe that these issues are in many ways interdependent. However this book demonstrates that there are situations where alleviation of poverty and the protection of the environment appear to be in a fraught relationship. The contributing authors illustrate that the role played by law in this relationship, whether at the international or national level, will vary depending on the situation and will be more successful at pursuing environmental justice in some cases than in others. This interdisciplinary study will appeal to academics and students in environmental law and other environmental disciplines, environmental policymakers and NGOs interested in issues of poverty, environment and indigenous peoples.

HOUSE OF COMMONS - ENVIRONMENTAL AUDIT COMMITTEE: ENERGY SUBSIDIES - HC 61

NINTH REPORT OF SESSION 2013-14, VOL. 1: REPORT, TOGETHER WITH FORMAL MINUTES, ORAL AND WRITTEN EVIDENCE

The Stationery Office The Government is shifting the goal-posts on fuel poverty so that official statistics record far fewer households as fuel-poor. The changes to the fuel poverty definition and target, in part being made through amendments to the Energy Bill, should be stopped unless the Government is prepared to make a public commitment to end fuel poverty altogether. A short-term bid to cut bills must not throw energy and climate change policy off-course. In the longer term green levies could actually keep bills down if they drive energy efficiency improvements that cut the cost of heating our homes. Insulating homes and supporting green technologies is vital to help the fuel poor and cut the emissions causing climate change. At the Rio+20 Summit and the G20, the Government committed itself to phasing out fossil fuel subsidies that encourage wasteful consumption and contribute to greenhouse gas emissions. The Government must set a target to reduce subsidies to harmful fossil fuels. The Government should also use the Autumn Statement as an opportunity to provide a clear and comprehensive analysis of energy subsidies in the UK. The report also looks at whether Government support for the new nuclear power station at Hinkley Point constitutes a subsidy and concludes that it does, despite the Government's assurance otherwise. The Government's policy of 'no public subsidy for new nuclear' requires it to provide only 'similar' support to that provided to other types of energy, but even on that basis the deal for Hinkley Point C is 'dissimilar', notably on support for decommissioning and waste.

ENDING AFRICA'S ENERGY DEFICIT AND THE LAW

ACHIEVING SUSTAINABLE ENERGY FOR ALL IN AFRICA

Oxford University Press The need for energy might be universal, but access to it is not. Omorogbe and Ordor bring together experts in their field to ask how corruption and limited regulation have stalled progress in Africa, examining the impact on disabled people, women, and children, and its relation to environmental and humanitarian concerns.

THE PALGRAVE HANDBOOK OF INTERNATIONAL ENERGY ECONOMICS

Springer Nature This open access handbook is distinguished by its emphasis on international energy, rather than domestic energy policies or international geopolitic aspects. Addressing key topics such as energy production and distribution, renewables and corporate energy structures, alongside global energy trends, regional case studies and emerging areas such as the digitalization of energy and energy transition, this handbook provides a major new contribution to the field of international energy economics. Written by academics, practitioners and policy-makers, this handbook is a valuable and timely addition to the literature on international energy economics. This book was published open access with the support of Eni.

CLIMATE CHANGE AND DEVELOPING COUNTRIES

Springer Science & Business Media Among global environmental issues, climate change has received the largest attention of national and global policy makers, researchers, industry, multilateral banks and NGOs. Climate change is one of the most important global environmental problems with unique characteristics. It is global, long-term (up to several centuries) and involves complex interactions between climatic, environmental, economic, political, institutional and technological pressures. It is of great significance to developing countries as all the available knowledge suggests that they, and particularly their poorer inhabitants, are highly vulnerable to climate impacts. The projected warming of 1.4 to 5.8° C by 2100 and the related changes in rainfall pattern, rise in sea-level and increased frequency of extreme events (such as drought, hurricanes and storms) are likely to threaten food security, increase fresh water scarcity, lead to decline in biodiversity, increase occurrence of vector-borne diseases, cause flooding of coastal settlements, etc. Recognizing the potential threat of severe disruptions, the United Nations Conference on Environment and Development was organized in 1992 in Rio de Janeiro, Brazil to begin to address ways to reduce these impacts, which led to the formulation of the UN Framework Convention on Climate Change. This Convention and the subsequent Kyoto Protocol recognize "the common but

differentiated responsibility” of developing and industrialized countries in addressing climate change. Developing countries thus have a unique role to play in formulating a sound, reasoned, and well informed response to the threat of climate change.

CASES ON GREEN ENERGY AND SUSTAINABLE DEVELOPMENT

IGI Global Despite the urgent need for action, there is a widespread lack of understanding of the benefits of using green energy sources for not only reducing carbon emissions and climate change, but also for growing a sustainable economy and society. Future citizens of the world face increasing sustainability issues and need to be better prepared for energy transformation and sustainable future economic development. *Cases on Green Energy and Sustainable Development* is a critical research book that focuses on the important role renewable energy and energy efficiency play in energy transition and sustainable development and covers economic and promotion policies of major renewable energy and energy-efficiency technologies. Highlighting a wide range of topics such as economics, energy storage, and transportation technologies, this book is ideal for environmentalists, academicians, researchers, engineers, policymakers, and students.

RENEWABLE ENERGY FINANCE

THEORY AND PRACTICE

Academic Press *Renewable Energy Finance: Theory and Practice* integrates the special characteristics of renewable energy with key elements of project finance. Through a mixture of fundamental analysis and real-life examples, readers learn how renewable energy project finance works in actual deals that mix finance, public policy, legal, engineering and environmental issues. The skills developed in analyzing non-recourse cash flow-based finance are applicable not only to green energy, but also apply more widely in project finance and infrastructure investing. The book's comparisons of developed and developing countries make it valuable to readers worldwide. Presents real world cases in each chapter Includes a companion website that contains renewable energy project finance models and other resources Supports efforts to achieve environmental sustainability through renewable financing projects and cleaner production techniques

PROJECT DEVELOPMENT IN THE SOLAR INDUSTRY

CRC Press This book provides an extensive overview of utility scale solar project development and the various tasks required to bring large solar power plants from plans to realities. The various topics have been organized and presented in a way to clearly define important de

IMPLEMENTING A GREEN RECOVERY IN SOUTHEAST ASIA

Asian Development Bank This report explains why Southeast Asian countries need to design pandemic recovery policies that hit both ambitious socioeconomic and environmental goals. The third in a four-part series, the report considers the impact of COVID-19 on Cambodia, Indonesia, Myanmar, the Philippines, and Thailand to show how a green recovery can help safeguard against future health crises. Analyzing areas including agriculture, cities, and oceans, the report lays out policy measures designed to identify, create, and finance green growth opportunities. It shows how COVID-19 has presented countries with a chance to hit the reset button and build a socially, economically, and environmentally resilient future.

CLIMATE CHANGE PROGRAM STUDY 2004

GEF Evaluation Office

BEST POLICY PRACTICES FOR PROMOTING ENERGY EFFICIENCY

A STRUCTURED FRAMEWORK OF BEST PRACTICES IN POLICIES TO PROMOTE ENERGY EFFICIENCY FOR CLIMATE CHANGE MITIGATION AND SUSTAINABLE DEVELOPMENT

United Nations This is the second edition of the *Best Policy Practices for Promoting Energy Efficiency* publication prepared in the framework of the United Nations Development Account project “Promoting Energy Efficiency Investments for Climate Change Mitigation and Sustainable Development”. It provides additional exemplars of the best policy practices for promoting energy efficiency in UNECE region and beyond. The objective of the publication is to present a structured framework of policies and measures to promote energy efficiency investments for climate change mitigation and sustainable development, as well as to develop a menu of energy efficiency policies and measures.

THE ROLE OF NATIONAL DEVELOPMENT BANKS IN CATALYZING INTERNATIONAL CLIMATE FINANCE

Inter-American Development Bank Significant investments are needed to support the global transition to a low-carbon, climate resilient future. Current finance flows fall short of global financing needs, and massive scaling up is needed to unlock additional financial resources and foster a sustainable investment pathway. Overcoming barriers to private sector investments is critical, and international climate finance can play a catalytic role in this regard. National development banks (NDBs) have a unique role in this context, both complementing and catalyzing private sector players. This publication discusses the unique role that NDBs could play in scaling up private financing for climate change mitigation projects through the intermediation of international and national public climate finance in their respective local credit markets and the conditions that would be needed for them to be most effective. It draws from experiences in international climate finance and best practices, processes, and products of NDBs within the Latin American and Caribbean region.

KEY INDICATORS FOR ASIA AND THE PACIFIC 2012

Asian Development Bank *The Key Indicators for Asia and the Pacific 2012 (Key Indicators)*, the 43rd edition of this series, includes the latest available economic, financial, social, and environmental indicators for the 48 regional members of the Asian Development Bank. This publication aims to present the latest key statistics on development issues concerning the economies of Asia and the Pacific to a wide audience, including policy makers, development practitioners, government officials, researchers, students, and the general public. Part I of this issue of the Key Indicators is a special chapter--Green Urbanization in Asia. Parts II and III comprise of brief, non-technical analyses and statistical tables on the Millennium Development Goals and seven other themes. This year, the second edition of the Framework of Inclusive Growth Indicators, a special supplement to Key Indicators is also included. The statistical tables in this issue of the Key Indicators may also be downloaded in MS Excel format from this website or in user-specified format at SDBS Online.

GLOBALISATION AND NATURAL RESOURCES LAW

CHALLENGES, KEY ISSUES AND PERSPECTIVES

Edward Elgar Publishing *'This book is a very welcome addition to publications on globalisation and natural resources management. It adopts a very broad approach to this important subject - it includes the general issues, such as trade and investment. It deals with very complex questions of permanent sovereignty over natural resources; the right to development; the role of indigenous peoples in resource management. This publication also provides the reader with general underlying principles and approaches to natural resources management, such as sustainable use; the precautionary principle; the principle of common but differentiated responsibilities and the ecosystem approach, regulatory approach etc. The book is very analytical and gives a lot of food for thought for readers.'* - Malgosia Fitzmaurice, Queen Mary, University of London, UK *'The book is the first of its kind to deal in depth with complex, cross-cutting issues relating to globalization and natural resources. The authors demonstrate not only a broad range of knowledge but also provides deep insights into what will be needed to make the transition from economic globalization to sustainable globalization, including improved resource efficiency and sustainable development, and inclusive and participatory governance. In particular, the authors consider specific approaches in such sectors as water resources, renewable energy, and biological resources. The book has carefully documented and analyzed numerous international, regional, and national legal frameworks as well as relevant theories and principles. It is a must for every law library as well as for policy makers, administrators, academics, non-governmental bodies, and civil societies. We owe a great debt to the authors for their painstaking, comprehensive research.'* - Koh Kheng-Lian, National University of Singapore *'Globalization as a means of aptly capturing political, social, cultural, and above all else economic phenomena has been well-documented and the subject of a multitude of comment. What has perhaps been less well studied is its relationship with natural resource management. Thus this work by Merino-Blanco and Razzaque is to be commended. Moreover, by focusing on globalization, an important truth is revealed. It is neither about the diminution of the role of the State nor the ascendancy of the multinational corporation, but rather a more nuanced and complex interaction, which we are only beginning to appreciate. This book is an important contribution to that debate.'* - Duncan French, University of Sheffield, UK *'While sustainable development requires State regulation of the exploitation of natural resources, globalisation, as originally conceived, pushed for "free and unfettered" markets creating a fundamental tension between the two approaches. This book attempts to find a way towards their reconciliation with inspiring results. The book explores many themes, especially how globalisation may contribute to the solution of the problems it has caused by helping to empower non-state actors around the world so that the international decision-making processes become more inclusive, transparent and oriented towards sustainable development.'* - Ximena Fuentes, Universidad Alonso Ibanez, Chile and ILA Co-Rapporteur on the Commission on Sustainable Development *This book examines the complex relationships between trade, human rights and the environment within natural resources law. It discusses key theories and challenges whilst exploring the concepts and approaches available to manage crucial natural resources in both developed and developing countries. Primarily aimed at undergraduates and postgraduates, it includes exercises, questions and discussion topics for courses on globalisation and /or natural resources law as well as an ample bibliography for those interested in further research. The book will therefore serve as an invaluable reference tool for academics, researchers and activists alike.*

THE UNITED NATIONS WORLD WATER DEVELOPMENT REPORT 2020

WATER AND CLIMATE CHANGE

The 2020 edition of the WWDR, titled *Water and Climate Change* illustrates the critical linkages between water and climate change in the context of the broader sustainable development agenda. Supported by examples from across the world, it describes both the challenges and opportunities created by climate change, and provides potential responses - in terms of adaptation, mitigation and improved resilience - that can be undertaken by enhancing water resources management, attenuating water-related risks, and improving access to water supply and sanitation services for all in a sustainable manner. It addresses the interrelations between water, people, environment and economics in a changing climate, demonstrating how climate change can be a positive catalyst for improved water management, governance and financing to achieve a sustainable and prosperous world for all. The report provides a fact-based, water-focused contribution to the knowledge base on climate change. It is complementary to existing scientific assessments and designed to support international political frameworks, with the goals of helping the water community tackle the challenges of climate change, and informing the climate change community about the opportunities that improved water management offers in terms of adaptation and mitigation.

OECD ENVIRONMENTAL OUTLOOK TO 2050 THE CONSEQUENCES OF INACTION

THE CONSEQUENCES OF INACTION

OECD Publishing *Based on joint modelling by the OECD and the PBL Netherlands Environmental Assessment Agency, this book looks*

forward to the year 2050 to find out what demographic and economic trends might mean for the environment.

RURAL ELECTRIFICATION THROUGH DECENTRALISED OFF-GRID SYSTEMS IN DEVELOPING COUNTRIES

Springer Science & Business Media More than 1.3 billion people worldwide lack access to electricity. Although extension of the electricity grid remains the preferred mode of electrification, off-grid electrification can offer a solution to such cases. *Rural Electrification through Decentralised Off-grid Systems in Developing Countries* provides a review of rural electrification experiences with an emphasis on off-grid electrification and presents business-related aspects including participatory arrangements, financing, and regulatory governance. Organized in three parts, *Rural Electrification through Decentralised Off-grid Systems in Developing Countries* provides comprehensive coverage and state-of-the-art reviews which appraise the reader of the latest trend in the thinking. The first part presents the background information on electricity access, discusses the developmental implications of lack of electricity infrastructure and provides a review of alternative off-grid technologies. The second part presents a review of experiences from various regions (South Asia, China, Africa, South East Asia and South America). Finally, the third part deals with business dimensions and covers participatory business models, funding challenges for electrification and regulatory and governance issues. Based on the research carried out under the EPSRC/ DfID funded research grant for off-grid electrification in South Asia, *Rural Electrification through Decentralised Off-grid Systems in Developing Countries* provides a multi-disciplinary perspective of the rural electrification challenge through off-grid systems. Providing a practical introduction for students, this is also a key reference for engineers and governing bodies working with off-grid electrification.

ENERGY EFFICIENCY AND CONSERVATION IN METAL INDUSTRIES

WITH SELECTED CASES OF INVESTMENT GRADE AUDIT

CRC Press This book provides a deep insight into the energy usage in the energy intensive metal industry and the methodology for efficiency assessment. Various methodologies for energy audits are described, along with concept-level analysis for minimum energy design. Apart from the technical and engineering analysis, the book also describes management aspects such as energy management systems and financial, environmental and social analysis leading to the development of a comprehensive plan for implementation of energy efficiency and conservation in industries. Barriers to investment in energy efficiency and conservation are discussed, based on review of global and Indian case studies. **FEATURES:** Details fundamental principles driving energy consumption in an industrial set-up backed with illustrative examples Explains various alternative methods for discovery of energy efficiency and conservation projects. Focusses on metal-producing and -processing facilities with an emphasis on environmental quality Supports maximum digitalization of energy audit assessment and report preparation processes Includes global case studies and tutorials at the end of the corresponding chapters This book is useful for researchers, professionals and graduate students in thermodynamics, manufacturing, thermal engineering, energy engineering, energy efficiency and energy processes, especially in the metal industry.

ENERGY EFFICIENCY FINANCING AND MARKET-BASED INSTRUMENTS

Springer Nature This book is devoted to investigating the policy design and effectiveness of financial and market-based instruments to promote energy efficiency financing. The concept of this monograph is to present the latest results related to energy efficiency funding schemes, energy efficiency obligations, voluntary agreements, auction mechanisms, and Super Energy Services Companies (Super ESCOs) in major jurisdictions across the world. The book focuses on financial and market-based instruments as they deliver a price signal, which provides an incentive for firms to invest in innovation or implement more energy-efficient technologies and deliver energy savings while minimizing costs. Such instruments can have significant advantages for the government, supporting the fiscal sustainability of the government's energy efficiency efforts, requiring less enforcement than regulation and according the market flexibility to select the most cost-efficient technologies. This book is highly recommended to researchers, policy experts, and business specialists who seek an in-depth and up-to-date integrated overview of energy efficiency financing.

METHODOLOGICAL AND TECHNOLOGICAL ISSUES IN TECHNOLOGY TRANSFER

A SPECIAL REPORT OF THE INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE

Cambridge University Press *Special Report of the IPCC on technology transfer to respond to global climate change.*

RESEARCH ANTHOLOGY ON CLEAN ENERGY MANAGEMENT AND SOLUTIONS

IGI Global Energy usage and consumption continue to rise globally each year, with the most efficient and cost-effective energy sources causing huge impacts to the environment. In an effort to mitigate harmful effects to the environment, implementing clean energy resources and utilizing green energy management strategies have become worldwide initiatives, with many countries from all regions quickly becoming leaders in renewable energy usage. Still, not every energy resource is without flaws. Researchers must develop effective and low-cost strategies for clean energy in order to find the balance between production and consumption. The *Research Anthology on Clean Energy Management and Solutions* provides in-depth research that explores strategies and techniques used in the energy production field to optimize energy efficiency in order to maintain clean and safe use while delivering ample energy coverage. The anthology also seeks solutions to energy that have not yet been optimized or are still produced in a way that is harmful to the environment. Covering topics such as hydrogen fuel cells, renewable energy, solar power, solar systems, cost savings, and climate protection, this text is essential for electrical engineers, nuclear engineers, environmentalists, managers, policymakers, government officials, professionals in the energy industry, researchers, academicians, and students looking for the latest research on clean energy management.

WIND ENERGY FOR POWER GENERATION

MEETING THE CHALLENGE OF PRACTICAL IMPLEMENTATION

Springer Nature *This far-reaching resource covers a full spectrum of multi-faceted considerations critical for energy generation decision makers considering the adoption or expansion of wind power facilities. It contextualizes pivotal technical information within the real complexities of economic, environmental, practical and socio-economic parameters. This matrix of coverage includes case studies and analysis from developed and developing regions, including North America and Europe, Asia, Latin America, the Middle-East and Africa. Crucial issues to power generation professionals and utilities such as: capacity credits; fuel saving; intermittency; penetration limits; relative cost of electricity by generation source; growth and cost trends; incentives; and wind integration issues are addressed. Other economic issues succinctly discussed inform financial commitment to a project, including investment matrices, strategies for economic evaluations, econometrics of wind energy, cost comparisons of various investment strategies, and cost comparisons with other energy sources. Due to its encompassing scope, this reference will be of distinct interest to practicing engineers, policy and decision makers, project planners, investors and students working in the area of wind energy for power generation.*

PHOTOVOLTAICS FOR RURAL ELECTRIFICATION IN DEVELOPING COUNTRIES

A ROAD MAP

Springer *The evidence suggests that many solar programs are being designed and implemented in isolation and without reliance on published guidelines or the experience gained by others. The conclusion is obvious: the likelihood of a program being successful would be greatly improved if program implementers were made more aware of best practice guidelines and of the lessons and experience learned by others in implementing previous programs. Furthermore, the best practice guidelines not only need to be readily available but need to describe the stages, issues and the stakeholders' roles in designing and implementing a SHS program. This book showcases a detailed road map that has been developed for the implementation of rural electrification projects in developing countries using solar PV. Features of this book will be case studies derived from personal participatory observation of the authors on Solar Home Systems, their impact, their advantages and disadvantages and their operation.*

RENEWABLE ENERGY MARKET ANALYSIS: SOUTHEAST EUROPE

International Renewable Energy Agency (IRENA) *This report analyses the regional energy landscape, potential and costs, policy and investment needs, and expected socio-economic impact from a shift to renewables.*

CLIMATE CHANGE 2014: MITIGATION OF CLIMATE CHANGE

WORKING GROUP III CONTRIBUTION TO THE IPCC FIFTH ASSESSMENT REPORT

Cambridge University Press *This latest Fifth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) will again form the standard reference for all those concerned with climate change and its consequences, including students, researchers and policy makers in environmental science, meteorology, climatology, biology, ecology, atmospheric chemistry and environmental policy.*

WORKING TOGETHER TO MAKE AID MORE EFFECTIVE

NINTH REPORT OF SESSION 2007-08, VOL. 2: ORAL AND WRITTEN EVIDENCE

The Stationery Office *Working together to make aid more Effective : Ninth report of session 2007-08, Vol. 2: Oral and written Evidence*